

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

WHAT IS CLAIMED IS:

31. (Currently Amended) A method for cleaning a substrate surface on a moving conveyor, comprising:

dry washing the substrate ~~to introduce by introducing~~ the substrate into a mixed atmosphere of an inert gas and water vapor under irradiation of ultraviolet light from a dielectric barrier discharge lamp;

decomposing organic substances deposited on the surface of the substrate with the dielectric barrier discharge lamp while splitting water vapor into a reducing active member [H ·] and an oxidative active member [· OH] ~~to cause reactions with the decomposition of, the active member [H ·] and oxidative active member [· OH]~~ react with the decomposed ~~the~~ organic substances ~~by means of the reducing and oxidative members [H ·] and [· OH]~~ to cause ~~the decomposed organic substances to be removed from the surface of the substrate;~~

wet washing step the substrate to remove inorganic contaminants by supplying washing water on the surface of the substrate; and

drying the substrate to eliminate washing water from the substrate surface.

32. (Currently Amended) A method for applying a liquid developer on a substrate surface on a moving conveyor, comprising:

wet washing the substrate by supplying washing water to the surface of the substrate;

drying the substrate to eliminate washing water from the substrate surface;

placing the substrate in a mixed atmosphere of an inert gas and water ~~to improve reduce~~ the contact angle of the substrate surface ~~and thus improving the surface of the substrate, the~~

inert gas and water vapor being under irradiation of ultraviolet light from a dielectric barrier discharge lamp to decompose organic substances deposited on a surface of the substrate while splitting water vapor into a reducing active member [H •] and an oxidative active member [• OH];

subjecting the reducing and oxidative members [H •] and [• OH] to reactions with decomposition products of the cause a reaction with the decomposed organic substances; and coating the surface of the substrate with a liquid developer.